1/9

```
        TAGGCATAAATTGGTCTGCGCACCAGCACCATGCAACTTTTTCACCTCTGCCTAATCATC
     1  ---------+---------+---------+---------+---------+---------+ 60
        ATCCGTATTTAACCAGACGCGTGGTCGTGGTACGTTGAAAAAGTGGAGACGGATTAGTAG
a          *  A  *  I  G  L  R  T  S  T  M  Q  L  F  H  L  C  L  I  I    -

        TCTTGTTCATGTCCTACTGTTCAAGCCTCCAAGCTGTGCCTTGGGTGGCTTTGGGGCATG
    61  ---------+---------+---------+---------+---------+---------+ 120
        AGAACAAGTACAGGATGACAAGTTCGGAGGTTCGACACGGAACCCACCGAAACCCCGTAC
a          S  C  S  C  P  T  V  Q  A  S  K  L  C  L  G  W  L  W  G  M    -

        GACATCGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCT
   121  ---------+---------+---------+---------+---------+---------+ 180
        CTGTAGCTGGGAATATTTCTTAAACCTCGATGACACCTCAATGAGAGCAAAAACGGAAGA
a          D  I  D  P  Y  K  E  F  G  A  T  V  E  L  L  S  F  L  P  S    -

        CTGAAGAAAGGAAGTCATGCTCTAGAAGATCTATGGCGGAGTCGAGACATAGCCCTTCGG
   181  ---------+---------+---------+---------+---------+---------+ 240
        GACTTCTTTCCTTCAGTACGAGATCTTCTAGATACCGCCTCAGCTCTGTATCGGGAAGCC
a          D  F  F  P  S  V  R  D  L  L  D  T  A  S  A  L  Y  R  E  A    -

        TTAGAGTCTCCTGAGCATTGTTCACCTCACCATACTGCACTCAGGCAAGCAATTCTTTGC
   241  ---------+---------+---------+---------+---------+---------+ 300
        AATCTCAGAGGACTCGTAACAAGTGGAGTGGTATGACGTGAGTCCGTTCGTTAAGAAACG
a          L  E  S  P  E  H  C  S  P  H  H  T  A  L  R  Q  A  I  L  C    -

        TGGGGGGAACTAATGACTCTAGCTACCTGGGTGGGTGTTAATTTGGAAGATCCAGCGTCT
   301  ---------+---------+---------+---------+---------+---------+ 360
        ACCCCCCTTGATTACTGAGATCGATGGACCCACCCACAATTAAACCTTCTAGGTCGCAGA
a          W  G  E  L  M  T  L  A  T  W  V  G  V  N  L  E  D  P  A  S    -

        AGAGACCTAGTAGTCAGTTATGTCAACACTAATATGGGCCTAAAGTTCAGGCAACTCTTG
   361  ---------+---------+---------+---------+---------+---------+ 420
        TCTCTGGATCATCAGTCAATACAGTTGTGATTATACCCGGATTTCAAGTCCGTTGAGAAC
a          R  D  L  V  V  S  Y  V  N  T  N  M  G  L  K  F  R  Q  L  L    -

        TGGTTTCACATTTCTTGTCTCACTTTTGGAAGAGAAACAGTTATAGAGTATTTGGTGTCT
   421  ---------+---------+---------+---------+---------+---------+ 480
        ACCAAAGTGTAAAGAACAGAGTGAAAACCTTCTCTTTGTCAATATCTCATAAACCACAGA
a          W  F  H  I  S  C  L  T  F  G  R  E  T  V  I  E  Y  L  V  S    -

        TTCGGAGTGTGGATTCGCACTCCTCCAGCTTATAGACCACCAAATGCCCCTATCCTATCA
   481  ---------+---------+---------+---------+---------+---------+ 540
        AAGCCTCACACCTAAGCGTGAGGAGGTCGAATATCTGGTGGTTTACGGGGATAGGATAGT
a          F  G  V  W  I  R  T  P  P  A  Y  R  P  P  N  A  P  I  L  S    -

        ACACTTCCGGAGACTACTGTTGTTAGACGACGAGGCAGGTCCCCTAGAAGAAGAACTCCC
   541  ---------+---------+---------+---------+---------+---------+ 600
        TGTGAAGGCCTCTGATGACAACAATCTGCTGCTCCGTCCAGGGGATCTTCTTCTTGAGGG
a          T  L  P  E  T  T  V  V  R  R  R  G  R  S  P  R  R  R  T  P    -

        TCGCCTCGCAGACGAAGGTCTCAATCGCCGCGTCGCAGAAGATCTCAATCTCGGGAATCT
   601  ---------+---------+---------+---------+---------+---------+ 660
        AGCGGAGCGTCTGCTTCCAGAGTTAGCGGCGCAGCGTCTTCTAGAGTTAGAGCCCTTAGA
a          S  P  R  R  R  R  S  Q  S  P  R  R  R  R  S  Q  S  R  E  S    -

        CAATGTTAG
   661  --------- 669
        GTTACAATC
a          Q  C  *    -
```
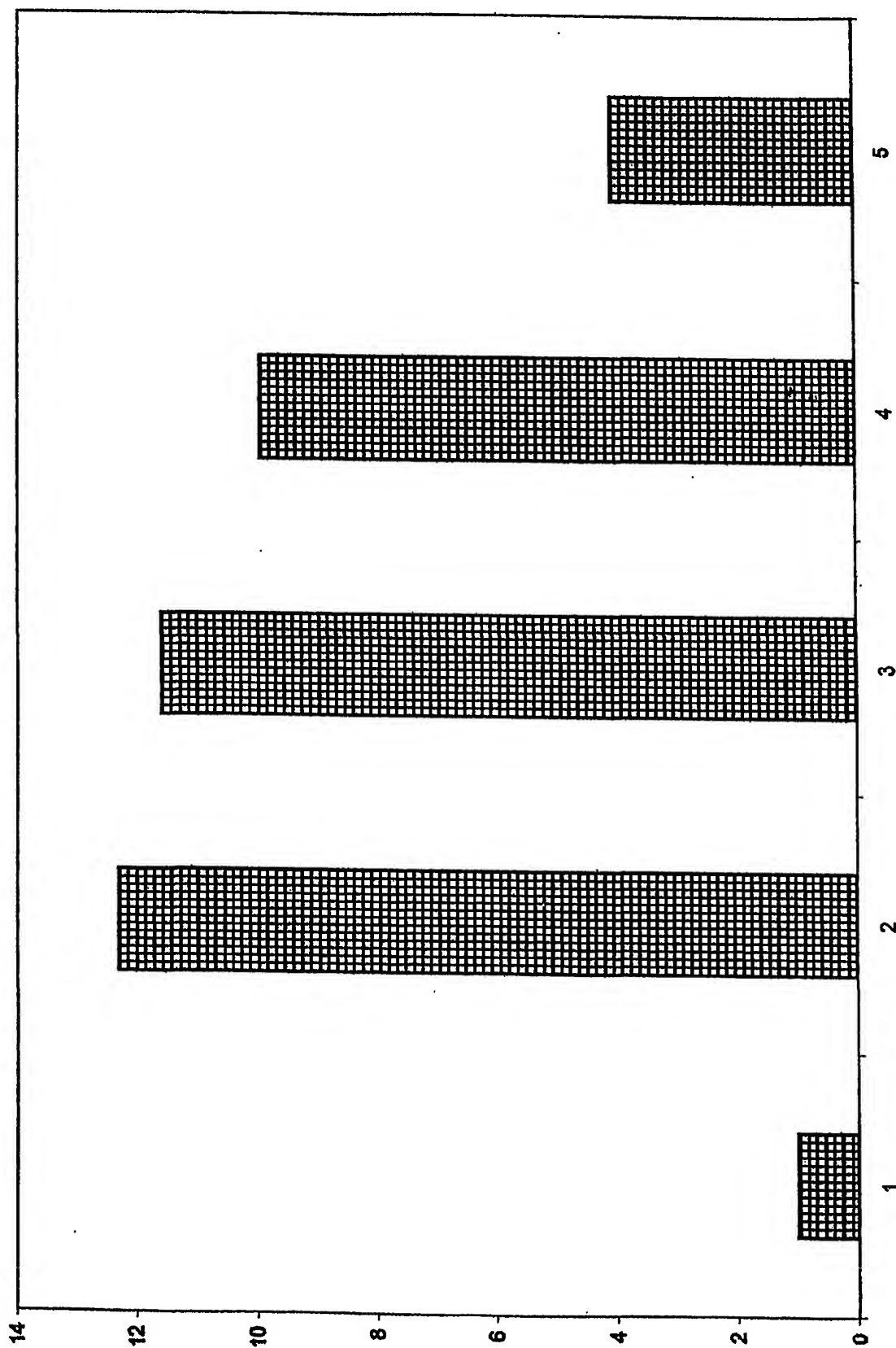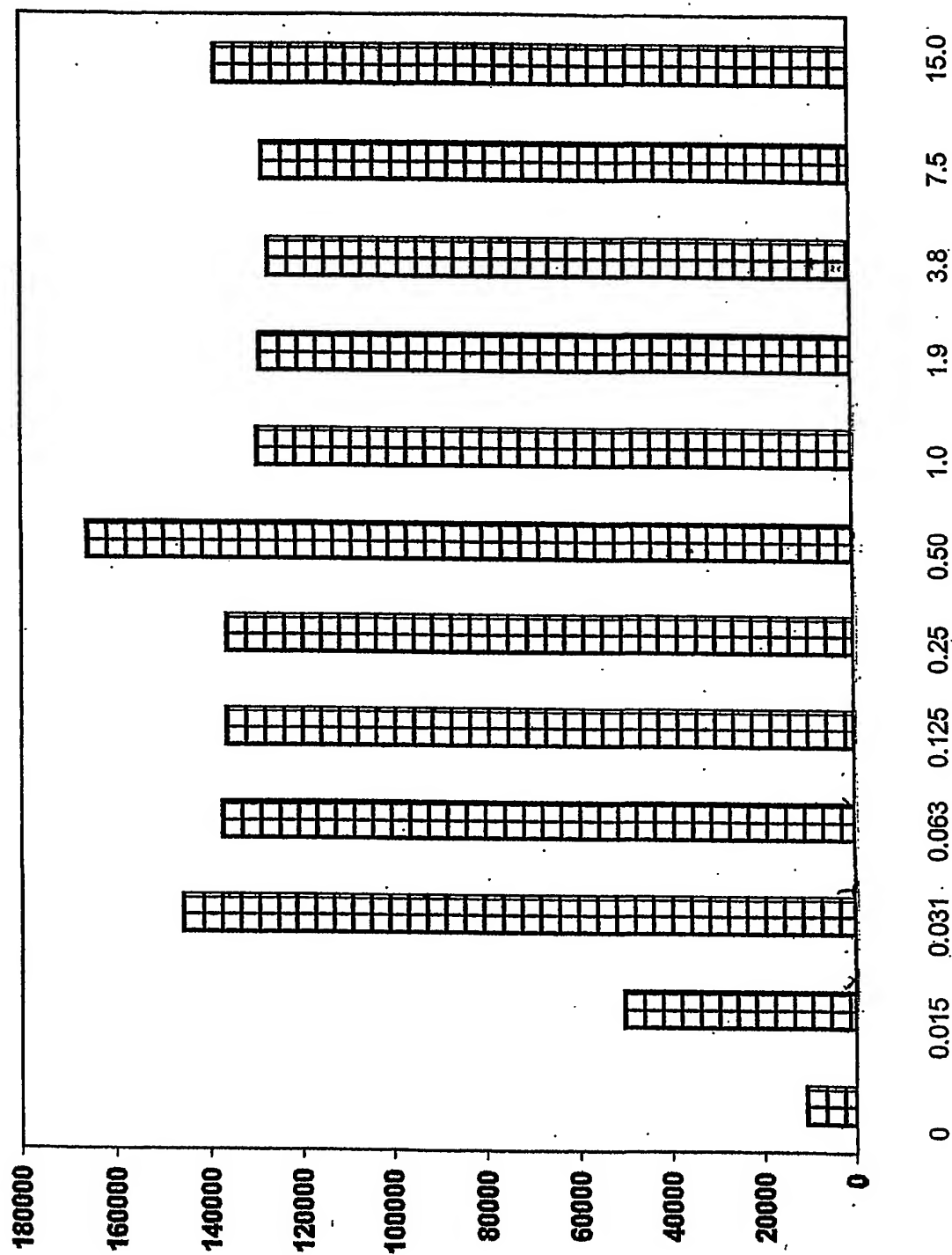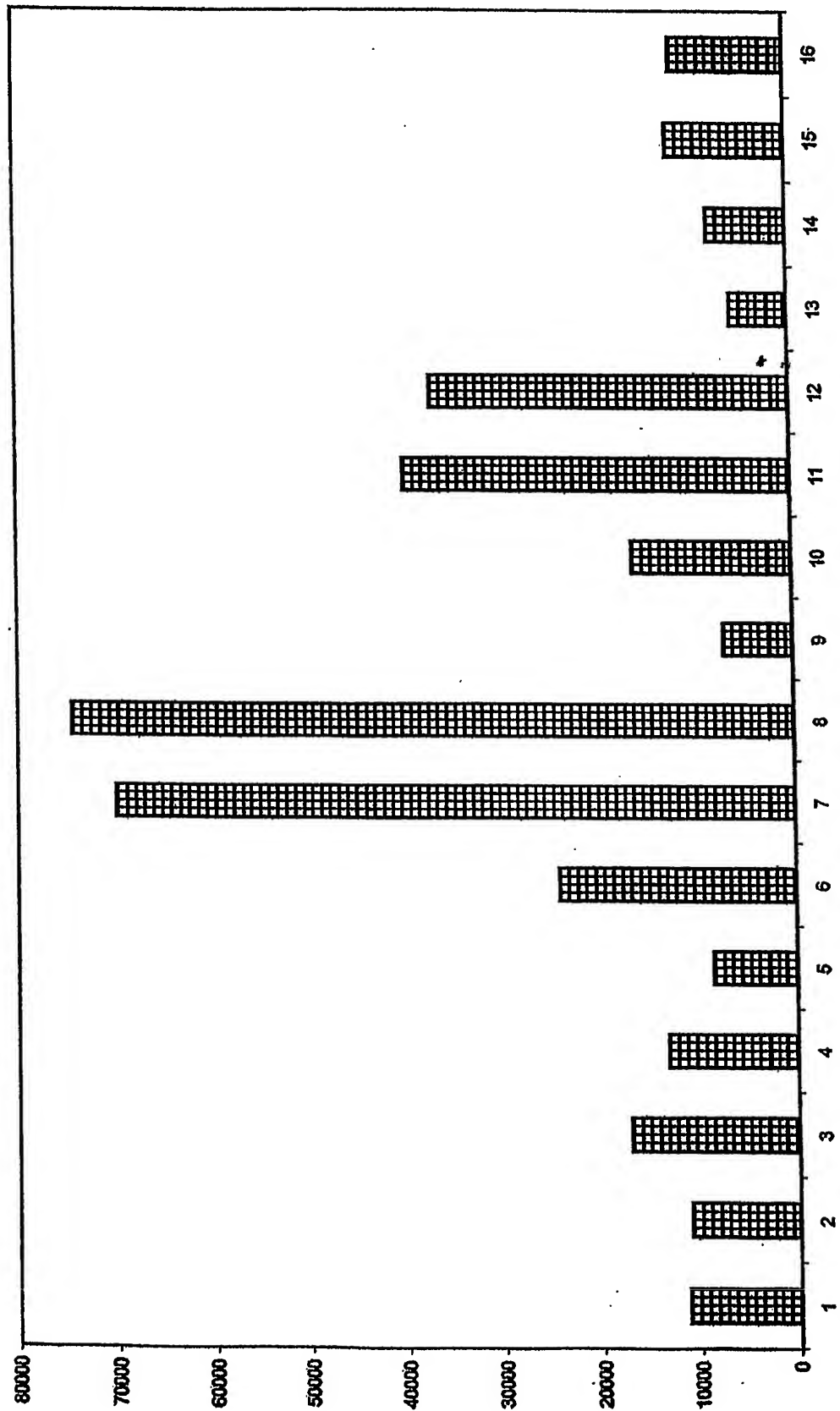
Enzymes that do cut:

NONE

FIGURE 1

Figure 2

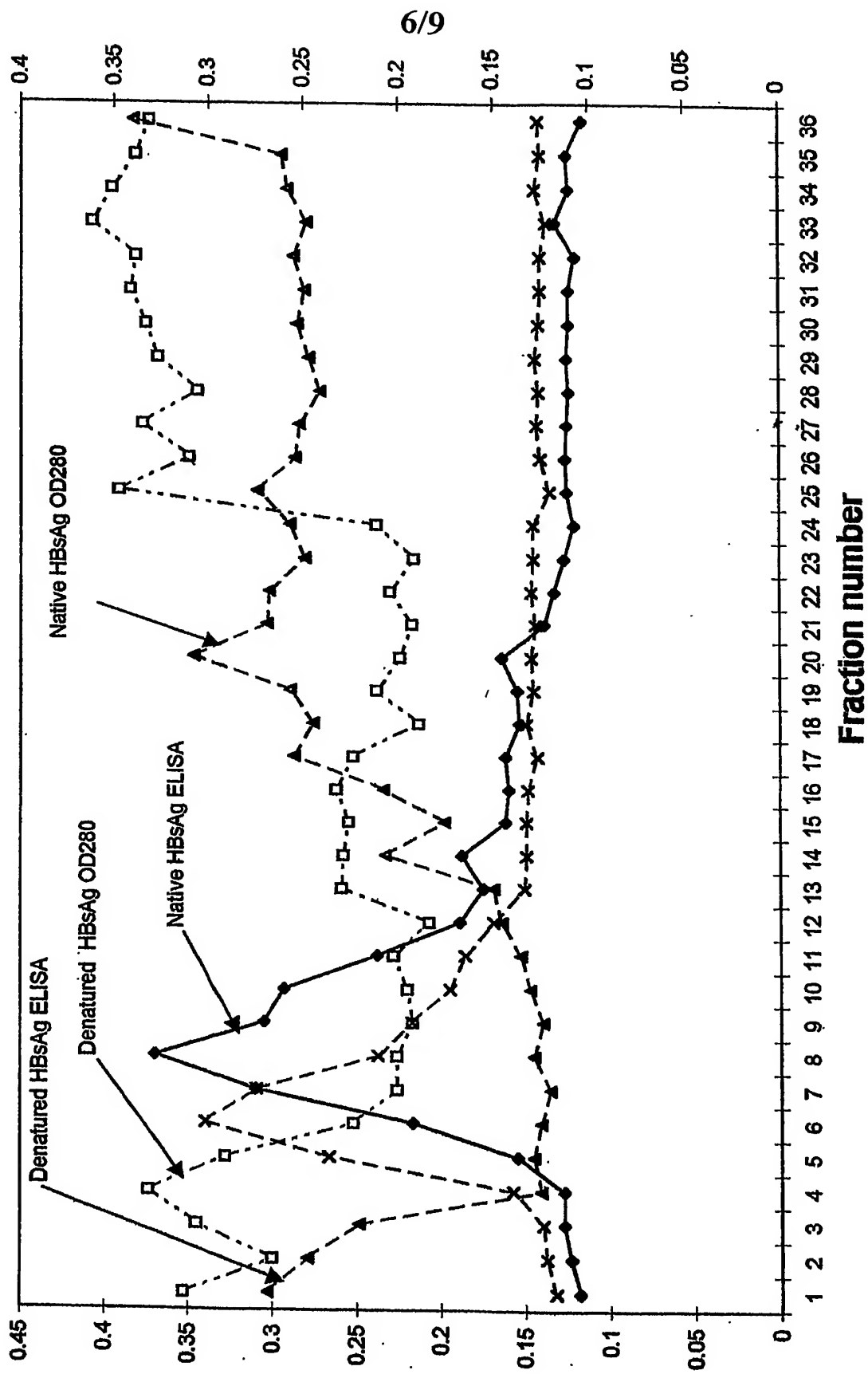Figure 3

Figure 4a

Figure 4b
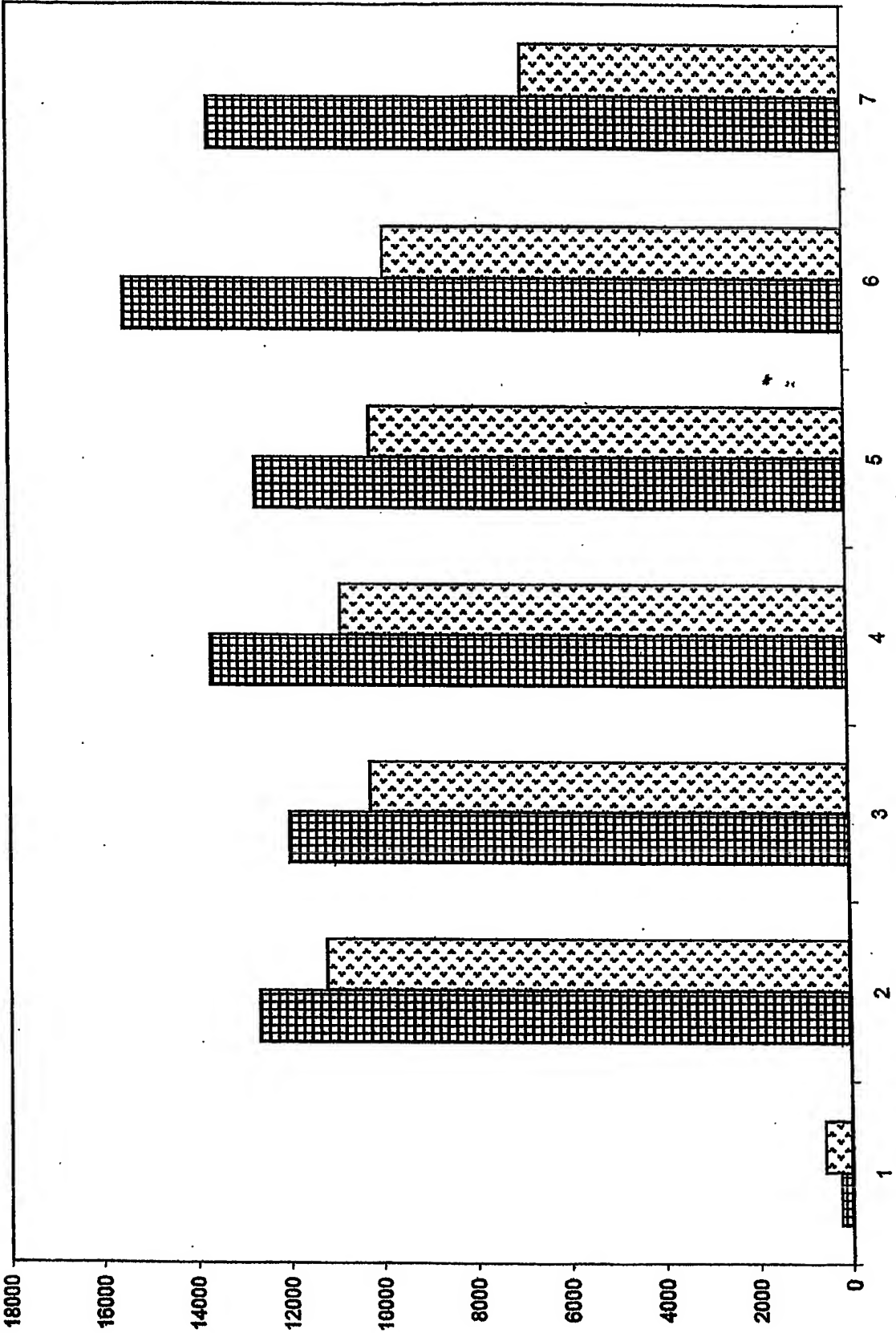
Treatment	day 2	day 3
Imm no ag	5096	11224
Imm 0.1 ug	5614	10904
Imm 1 ug	7266	16991
Imm 5 ug	5882	13120
Imm OT (3mg) no ag	4924	8409
Imm OT (3mg) 0.1 ug ag	7235	24250
Imm OT (3mg) 1 ug	14605	70078
Imm OT (3mg) 5 ag	11995	74585
Imm OT (1mg) no ag	3558	7079
Imm OT (1mg) 0.1 ug ag	4871	16339
Imm OT (1mg) 1 ug	4949	39954
Imm OT (1mg) 5 ag	4172	37059
Imm OT (0.1mg) no ag	5661	5904
Imm OT (0.1mg) 0.1 ug ag	12094	8168
Imm OT (0.1mg) 1 ug	23445	12242
Imm OT (0.1mg) 5 ag	36710	11754

Figure 5

Figure 6

Figure 7

Figure 8

Native HBcAg

HBeAg